SBR No. 73/14-15

No. 1st & Final Bill — Original/Duplicate/Triplicate — Date 30.06.2014

Division DD

CONTRACT CERTIFICATE

(For Other Works)

Bill Received No. 324/14-15 Dated 16-7-14

Sub-Division DD

Cash Book Voucher No. ..... Dated .....

Scheduled Docket No. ..... Head of Account .....

Name of work (as per sanctioned estimate) DRILLING OF BORE WELLS, PROVIDING PUMP MOTOR AND SERVICING AT MAHESHWARINAGARA IN DASARAHALLI WARD NO.15

Name of Contractor and Full Address THE TECHNICAL MANGER (WEST) KRIDL

Reference to Agreement No. EE/DD/WO/ 305 / 13-14 Date: 26.02.2014

Certified that the measurements were taken by me on 30/06/14 and recorded in pages 14 To 19 of measurements Book No. 848/13-14 and that the work is satisfactorily executed.

30/06/14

Officer - in - charge of work

Technical Manager-2
KRIDL, BBMP
Bangalore - 560 001

Certified that the measurements were checked by me on 30/6/14 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Work Code :- 015-14-000003

Sub-Division Officer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಶಾಗಲಂಬಿ, ಬೆಂಗಳೂರು - 560 073

If Memorandum of Payment

		AMOUNT
1.	Total value of work done or supplies made as per account.	Bill amount — 700,000=00
2.	Deduct amount to be held in reserve being ..... percent Rs.	
3.	- do - Balance	
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No. ..... Dated ..... S.D. No.	IT — 14000=00
	Amount adjusted towards cash advance recovery of	VAT — 28000=00
	b) Payments cost store or other materials supplied.	FSD — 35000=00
5.	Balance being unpaid value of work done held in reserve	Total → 85700=00
6.	Deduct cash advance made on the office Cash Book Vehicle No. dated ..... less adjustments	LWC — 7000=00
7.	Net amount due to or from contractor	CBF — 700=00
	Unadjusted items	Fine — 1000=00
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	Net — 614300=00.
		Total amount adjusted --

Technical Manager-2
Contractor Signature
KRIDL, BBMP
Bangalore - 560 001

Received Rs. ..... (in words)

..... by cash and by adjustment of

Payment as per memorandum.

Witness (In final settlement of all demand)

1.

2

Date

Stamp

Technical Manager-2
Signature of Contractor
KRIDL, BBMP
Bangalore - 560 001

Paid by me by cheque No. ..... Dated 16/7

Cash Rs. ..... Dated .....

Audited and admitted (For use in the Office) 700000=00

Passed by Cashier for Rs. 614300=00

Six lakhs fourteen thousand Three hundred Only

by adjustment Rs. 85700=00

Accounts Superintendent

Exe. Engineer
B.B.M.P. Dasarahalli Division

	Items of work (grouped under sub-heads the sub works of the estimate)
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's metho reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seatin pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other required including transportation of instrument and accessories to work site., engaging techinical personal required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour ch complete and as per the directions of the Engineer-in-charge of the work
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, thr welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc including yield testing at the final depth with a minimum working of compressor for one hour (excluding coa pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and directions of the Engineer-in-charge of the work
	0.00 to 50.00 m
	50.00 to 100.00 m
	100.00 to 150.00 m
	100.00 to 150.00 m
	200.00 to 250.00 m
	250.00 to 300.00 m
	300.00 to 350.00 m
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled s stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading charges etc., complete and as per the directions of the Engineer-in-charge of the work
4	Providing fixing 250mm dia PVC Pipeand as per specification
5	175mm dia M.S casing cap
6	M S cassing pipe collars 'C' Class
7	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable f installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 12.50 HP 20
8	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with celectrolytic grade c flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation an suitable for working voltage upto 1100 volts as per 1x3x4 sqm of 56 strands 0.3mm dia Group A
9	Supplying and fixing 50mm non return valve of vertical type of aplproved make including cost of all mater HOM of equipment with all leads compelte as per specification
10	Supplying and fixing 50mm GM gate valve

	Unit	Previous Measuremen		Present Measurement			Total Up-to-date		Remarks
		Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
ugh the including nity, its eal the f casing rmation l labour gers etc.,	Each			1.00	1900.00	1900.00	1.00	1900.00	
e in all ling and mplete f casing per the	Mtr								
	Mtr			50.00	306.00	15300.00	50.00	15300.00	
	Mtr			50.00	400.00	20000.00	50.00	20000.00	
	Mtr			50.00	445.00	22250.00	50.00	22250.00	
	Mtr			50.00	470.00	23500.00	50.00	23500.00	
	Mtr			50.00	544.00	27200.00	50.00	27200.00	
	Mtr			50.00	583.00	29150.00	50.00	29150.00	
	Mtr			50.00	622.00	31100.00	50.00	31100.00	
ntinuance f shelp / ket and ur labour	Mtr			46 78.50 80.00	1325.00	28612.00 104012.00 106000.00	46 78.50 80.00	28612.00 104012.00 106000.00	
	Rmt			18.00	1100.00	19800.00	18.00	19800.00	?
	Each			1.00	100.00	100.00	1.00	100.00	
	Each			54.00	150.00	8100.00	54.00	8100.00	
vertical ems of e type l with ing and luding ter	Set			1.00	71265.25	71265.00	1.00	71265.00	
ter with mented	Mtr			600.00	151.00	90600.00	600.00	90600.00	
labour	Nos			1.00	1530.00	1530.00	1.00	1530.00	
	Nos			1.00	1430.00	1430.00	1.00	1430.00	

11	Supply and fixing 160mm borewell cap
12	Supply and fixing 50mm GI Union
13	Supply and fixing 50mm GI Elbow
14	Supply and fixing 50mm GI coller Heavy Duty
15	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK controls best indig combined energy meter cum control panel board unit of sie 1200x600x350 mm minimum mechanically strong water proof. The unit shall have two detachable doors suitable for operation on 3ph. 50 Hz, 380/440 volts. with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron ventilators shall be provided inside the door canopy apron and louvers ventilators shall be provided the comb meter cum control panel board unit suitable for operation on 3ph, 50 Hz, 380/440 volts AC supply shall be c complete the panel board shall be consists etc., complete the panel board shall be fabricated on single unit i components panel board for suitable pumpset with Star delta starter out door type 10 HP to 20 HP
16	Providing and fixing of 50mm GI pipe C class heavy duty for erection of submersible pumpset complete
17	Erection of panel board and meter unit with necessary materials and labour including providing ceme foundation bed cont door type etc., complete
18	Supplying of TPST with rewireable porcelain Channels in SM encloser 32 amps
19	Supplying and fixing 500 x 500x 65mm polished wood board made up not less than 15mm thick plank with one end provided for olding at other end fixing the same of the valve using through bolts and nuts 20"x2"'x2
20	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 DC Group B
21	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or concealed system 7/20 or 7/36 copper wire
22	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 Phase 400 / 440 vo power factor improvement of rotating machinery capacitor in KVA rating Nos 2 KVAR capacity
23	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing m wiring complete as required 5-32 TPN
24	Supplying, fixing , wiring earth electrode for grounding conduits. LC cutouts and other equipments on the using 40mm dia 2.90 mm thick GI pipe 2.5m long buried in a pit. The pit should be filled with equal propo and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduct e etablished through GI wire of size as epr ISI specification 7.3.3. IS 732 using 12mm dia bolts, nuts, washer nuts, etc., the pipe shall have 16 throught holes of 122 mm dia
25	Supplying and fixing class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole / crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm
26	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road core 16 sqmm
27	Labour charges for laying 1.1 KV class UG cable when supplied departmentally/agency in existing pipe/stoneware pipe/on wall/on pole as required
28	Digging of trench of 0.6m p x 0.50mtr vide refiling the trench to the required ground level and consol complete cutting road surface
29	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitume compound compelte with terminals clamsp, bolts nuts and washers etc.,
30	Supplying and fixing of porcelain fuse channel with cut out on existing / new wooden panel using necessar and washers etc., complete
31	BESCOM deposit charges and misc. DWP 1113 Date 30-6-14 Copy enclosed
32	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barrica lighting etc., in the Asph

	Nos			1.00	690.00	690.00	1.00	690.00	
	Nos			1.00	245.00	245.00	1.00	245.00	
	Nos			1.00	120.00	120.00	1.00	120.00	
	Nos			16.00	1350.00	21600.00	16.00	21600.00	
us make min and C supply l louvers d energy nts etc., he above	Nos			1.00	10000.00	10000.00	1.00	10000.00	
	Mtr			288.00	402.75	115992.00	288.00	115992.00	
concrete	Nos			1.00	475.00	475.00	1.00	475.00	
	Nos			1.00	1350.00	1350.00	1.00	1350.00	
ot plank	Nos			1.00	275.00	275.00	1.00	275.00	
12/24 V	Nos			1.00	350.00	350.00	1.00	350.00	
wiring)	Nos			10.00	25.00	250.00	10.00	250.00	
grade for	Nos			1.00	350.00	350.00	1.00	350.00	
rmits and	Nos			1.00	1075.00	1075.00	1.00	1075.00	
ter board ge of solt s to be nd check	Nos			1.00	1500.00	1500.00	1.00	1500.00	
l drain	Nos			10.00	220.00	2200.00	10.00	2200.00	
mm to 4	Mtr			15.00	150.00	2250.00	15.00	2250.00	
nch GI	Mtr			30.00	5.00	150.00	30.00	150.00	
m etc.,	Mtr			15.00	50.00	750.00	15.00	750.00	
nulating	Nos			1.00	240.00	240.00	1.00	240.00	
ts, bolts	Nos			6.00	219.00	1314.00	6.00	1314.00	
	Ls			1.00	15000.00	15000.00	1.00	15000.00	12294=00
danger	cum			9.00	255.46	12294.00 2299.00	9.00	2299.00	

33	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaki complete as per specifications.
34	Providing and installation at site of work PVC pipes including cost of pipes and specials and labour includi into trenches. Laying true to line level and plerfect linking of joints leak proof including jointing of approved labour and lift charges handling charges including encasing the pipe alround to a depth not leass than 15 cms or selected earth available from the excavation etc., complete
35	Supplying and fixing 50mm GI pipes C Class heavy duty compelte
36	Refillingavailableearth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each dep by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour compl specifications allow 60% of rate considered under item.
37	Disposing of excated earth to the final place of disposal with all lead and lift & asdirectd by the engineer in cha work.
38	Transportation of pumping machineries compelte as per specification
39	Erection of pumping machineries complete
	Add 10% KRIDI
	Add 1% La
	Gr

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

3 The contractor has cleared all debrice from work spot

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ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಶಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073

...ts or in ...s of pits ...f clods	cum			45.00	190.80	8586.00	45.00	8586.00	
...overing ...with al ...h gravel	Rmt			100.00	117.00	11700.00	100.00	11700.00	
	Mtr			10.00	402.75	4028.00	10.00	4028.00	
...ed layer ... as per	cum			45.00 177.75	51.41	2313.00 9138.00	45.00 177.75	2313.00 9138.00	
...s of the	cum			54.00 159.68	106.85	5770.00 17062.00	54.00 159.68	5770.00 17062.00	
	Ls			1.00	850.00	850.00	1.00	850.00	
	Ls			1.00	850.00	850.00	1.00	850.00	
TOTAL						699914.00		699914.00	
Charges						69991.00		69991.00	
...ur Cess						6999.00		6999.00	
...d Total						776904.00		776904.00	
						6,82,300/-		6,82,300/-	

674615=00 674,615=00

Rupees in words 10% KRDL Charges - 67461=00 67461=00

Total — 742076=00 742076=00.

Amount Limited — 700,000=00 700,000=00

as per work Order